

COMBINED DECLARATION AND POWER OF ATTORNEY

As a below named inventor, I hereby declare that:

This declaration is of the following type:

- ☒ original
- ☐ divisional
- ☐ continuation
- ☐ continuation-in-part



INVENTORSHIP IDENTIFICATION

My residence, post office address and citizenship are as stated below next to my name. I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled:

TITLE OF INVENTION

METHOD OF TISIN DEPOSITION USING A CHEMICAL VAPOR DEPOSITION PROCESS

The specification of which:

- ☐ filed herewith;
- ☒ was filed on 12/21/01, under Serial No. 10/026,378, executed on even date herewith; or
- ☐ Express Mail No. _____ (Serial No. not yet known) and was amended on _____ (if applicable)
- ☐ was described and claimed in PCT International Application No. _____ filed on _____ and as amended under PCT Article 19 on _____.

ACKNOWLEDGMENT OF REVIEW OF PAPERS AND DUTY OF CANDOR

I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose all information I know to be material to patentability in accordance with Title 37, Code of Federal Regulations, §1.56, and which is material to the examination of this application; namely, information where there is a substantial likelihood that a reasonable Examiner would consider it important in deciding whether to allow the application to issue as a patent, and

- ☐ In compliance with this duty there is attached an Information Disclosure Statement in accordance with 37 CFR §1.98.

PRIORITY CLAIM (35 U.S.C. §119)

I hereby claim foreign priority benefits under Title 35, United States Code, §119, of any provisional or foreign application(s) for patent or inventor's certificate or of any PCT international application(s) designating at least one country other than the United States of America listed below, and have also identified below any provisional or foreign application(s) for patent or inventor's certificate or any PCT international application(s) designating at least one country other than the United States of America filed by me on the same subject matter having a filing date before that of the application(s) of which priority is claimed.

☒ No such applications have been filed.

☐ Such applications have been filed as follows:

A. Prior foreign/PCT application(s) filed within 12 mos. (6 mos. for design) prior to this application, and any priority claims under 35 U.S.C. §119

<u>Country/PCT</u>	<u>Application No</u>	<u>Date Filed</u>	<u>Priority Claimed</u>
			<input type="checkbox"/> Yes <input type="checkbox"/> No
			<input type="checkbox"/> Yes <input type="checkbox"/> No
			<input type="checkbox"/> Yes <input type="checkbox"/> No

B. All foreign application(s), if any, filed more than 12 mos. (6 mos for design) prior to this U.S. application

Country:

Application No:

Filing date:

C. U.S. Provisional Application filed within 12 months prior to this application

<u>Serial No.</u>	<u>Filing Date</u>

PRIORITY CLAIM (35 U.S.C. §120)

I hereby claim the benefit under Title 35, United States Code, Section 120, of any United States application(s) or PCT international application(s) designating the United States of America that is/are listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in that/those prior application(s) in the manner provided by the first paragraph of Title 35, United States Code, Section 112, I acknowledge the duty to disclose information that is material to the examination of this application (namely, information where there is substantial likelihood that a reasonable Examiner would consider it important in deciding whether to allow the application to issue as a patent) which occurred between the filing date of the prior application(s) and the national or PCT international filing date of this application.

u:

☒ No such applications have been filed

☐ Such application have been filed, as follows:

<u>Serial No.</u>	<u>Filing Date</u>	<u>Status</u>		
		<u>Patented</u>	<u>Pending</u>	<u>Abandoned</u>
08/808,246	February 8, 1997		X	
08/498,990	July 6, 1995			X
08/567,461	December 5, 1995			X
08/677,185	July 9, 1996	X		
08/677,218	July 9, 1996			X
08/680,913	July 12, 1996			X

POWER OF ATTORNEY

I hereby appoint the following attorneys and/or agents to prosecute this application and transact all business in the Patent and Trademark Office connected therewith:

Donald Verplancken
Peter J. Sgarbossa

Registration No. 33,217
Registration No. 25,610

Lawrence Edelman
 Raymond Kam-On Kwong
 James C. Wilson
 Michael B. Einschlag
 Robert W. Mulcahy
 Walter Benjamin Glenn
 Joseph Bach
 B. Todd Patterson
 Raymond R. Moser, Jr.
 Keith M. Tackett
 Joseph Pagnotta

Registration No. 25,226
 Registration No. 37,165
 Registration No. 35,412
 Registration No. 29,301
 Registration No. 25,436
 Registration No. 44,713
 Registration No. 37,771
 Registration No. 37,906
 Registration No. 34,682
 Registration No. 32,008
 Registration No. 39,322

Send correspondence to:

Direct telephone calls to:

Patent Counsel
 APPLIED MATERIALS, INC.
 P. O. Box 450-A
 Santa Clara, CA 95052

Raymond R. Moser, Jr.
 MOSER, PATTERSON & SHERIDAN, L.L.P.
 Telephone No. 732-530-9404

DECLARATION

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and, further, that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Sec. 1001 of Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application or any patents issued thereon.

Full name of sole or first inventor: JING-PEI CHOU

Inventor's signature: _____

Date: _____

Residence: 889 Periwinkle Terrace
 Sunnyvale, CA 94086

Post Office Address: Same as above

Country of Citizenship: Taiwan

Full name of second inventor: CHIEN-TEH KAO

Inventor's signature: _____

Date: _____

Residence: 715 Starbush Drive
 Sunnyvale, CA 94086

Post Office Address: Same as above

Country of Citizenship: Taiwan ROC

Full name of third inventor: CHIUKIN STEVEN LAI

Inventor's signature: _____

Date: _____

Residence: 827 Groton Court
 Sunnyvale, CA 94087

Post Office Address: Same as above

Country of Citizenship: U.S.A.

Full name of **fourth** inventor: RODERICK CRAIG MOSELY

Inventor's signature: _____

Date: _____

Residence: 4337 Dia Vila Avenue
Pleasanton, CA 94588

Post Office Address: Same as above

Country of Citizenship: U.S.A.

Full name of **fifth** inventor: MEI CHANG

Inventor's signature: _____

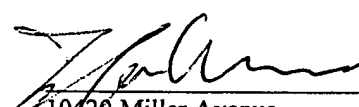
Date: _____

Residence: 12881 Corte de Arguello
Saratoga, CA 95070

Post Office Address: Same as above

Country of Citizenship: U.S.A.

Full name of **sixth** inventor: FUFA CHEN

Inventor's signature:  _____

Date: 3/11/02

Residence: 10420 Miller Avenue
Cupertino, CA 95014

Post Office Address: Same as above

Country of Citizenship: P.R. of China

9:

COMBINED DECLARATION AND POWER OF ATTORNEY

As a below named inventor, I hereby declare that:

This declaration is of the following type:

- ☒ original
☐ divisional
☐ continuation
☐ continuation-in-part



INVENTORSHIP IDENTIFICATION

My residence, post office address and citizenship are as stated below next to my name. I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled:

TITLE OF INVENTION

METHOD OF TISIN DEPOSITION USING A CHEMICAL VAPOR DEPOSITION PROCESS

The specification of which:

- ☐ filed herewith;
☒ was filed on 12/21/01, under Serial No. 10/026,378, executed on even date herewith; or
☐ Express Mail No. _____ (Serial No. not yet known)
and was amended on _____ (if applicable)
☐ was described and claimed in PCT International Application No. _____ filed on _____ and as amended under PCT Article 19 on _____.

ACKNOWLEDGMENT OF REVIEW OF PAPERS AND DUTY OF CANDOR

I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose all information I know to be material to patentability in accordance with Title 37, Code of Federal Regulations, §1.56, and which is material to the examination of this application; namely, information where there is a substantial likelihood that a reasonable Examiner would consider it important in deciding whether to allow the application to issue as a patent, and

- ☐ In compliance with this duty there is attached an Information Disclosure Statement in accordance with 37 CFR §1.98.

PRIORITY CLAIM (35 U.S.C. §119)

I hereby claim foreign priority benefits under Title 35, United States Code, §119, of any provisional or foreign application(s) for patent or inventor's certificate or of any PCT international application(s) designating at least one country other than the United States of America listed below, and have also identified below any provisional or foreign application(s) for patent or inventor's certificate or any PCT international application(s) designating at least one country other than the United States of America filed by me on the same subject matter having a filing date before that of the application(s) of which priority is claimed.

☒ No such applications have been filed.

☐ Such applications have been filed as follows:

- A. Prior foreign/PCT application(s) filed within 12 mos. (6 mos. for design) prior to this application, and any priority claims under 35 U.S.C. §119

<u>Country/PCT</u>	<u>Application No</u>	<u>Date Filed</u>	<u>Priority Claimed</u>
			<input type="checkbox"/> Yes <input type="checkbox"/> No
			<input type="checkbox"/> Yes <input type="checkbox"/> No
			<input type="checkbox"/> Yes <input type="checkbox"/> No

- B. All foreign application(s), if any, filed more than 12 mos. (6 mos for design) prior to this U.S. application

Country:

Application No:

Filing date:

- C. U.S. Provisional Application filed within 12 months prior to this application

<u>Serial No.</u>	<u>Filing Date</u>

PRIORITY CLAIM (35 U.S.C. §120)

I hereby claim the benefit under Title 35, United States Code, Section 120, of any United States application(s) or PCT international application(s) designating the United States of America that is/are listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in that/those prior application(s) in the manner provided by the first paragraph of Title 35, United States Code, Section 112, I acknowledge the duty to disclose information that is material to the examination of this application (namely, information where there is substantial likelihood that a reasonable Examiner would consider it important in deciding whether to allow the application to issue as a patent) which occurred between the filing date of the prior application(s) and the national or PCT international filing date of this application.

☒ No such applications have been filed

☐ Such application have been filed, as follows:

<u>Serial No.</u>	<u>Filing Date</u>	<u>Status</u>		
		<u>Patented</u>	<u>Pending</u>	<u>Abandoned</u>
08/808,246	February 8, 1997		X	
08/498,990	July 6, 1995			X
08/567,461	December 5, 1995			X
08/677,185	July 9, 1996	X		
08/677,218	July 9, 1996			X
08/680,913	July 12, 1996			X

POWER OF ATTORNEY

I hereby appoint the following attorneys and/or agents to prosecute this application and transact all business in the Patent and Trademark Office connected therewith:

Donald Verplancken
Peter J. Sgarbossa

Registration No. 33,217
Registration No. 25,610

Lawrence Edelman
 Raymond Kam-On Kwong
 James C. Wilson
 Michael B. Einschlag
 Robert W. Mulcahy
 Walter Benjamin Glenn
 Joseph Bach
 B. Todd Patterson
 Raymond R. Moser, Jr.
 Keith M. Tackett
 Joseph Pagnotta

Registration No. 25,226
 Registration No. 37,165
 Registration No. 35,412
 Registration No. 29,301
 Registration No. 25,436
 Registration No. 44,713
 Registration No. 37,771
 Registration No. 37,906
 Registration No. 34,682
 Registration No. 32,008
 Registration No. 39,322

Send correspondence to:

Patent Counsel
 APPLIED MATERIALS, INC.
 P. O. Box 450-A
 Santa Clara, CA 95052

Direct telephone calls to:

Raymond R. Moser, Jr.
 MOSER, PATTERSON & SHERIDAN, L.L.P.
 Telephone No. 732-530-9404

DECLARATION

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and, further, that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Sec. 1001 of Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application or any patents issued thereon.

Full name of sole or first inventor: JING-PEI CHOU

Inventor's signature: _____

Residence: 889 Periwinkle Terrace
 Sunnyvale, CA 94086

Date: _____

Post Office Address: Same as above

Country of Citizenship: Taiwan

Full name of second inventor: CHIEN-TEH KAO

Inventor's signature: _____

Residence: 715 Starbush Drive
 Sunnyvale, CA 94086

Date: _____

Post Office Address: Same as above

Country of Citizenship: Taiwan ROC

Full name of third inventor: CHIUKIN STEVEN LAI

Inventor's signature: _____

Residence: 827 Groton Court
 Sunnyvale, CA 94087

Date: _____

Post Office Address: Same as above

Country of Citizenship: U.S.A.

Full name of **fourth** inventor: RODERICK CRAIG MOSELY

Inventor's signature: _____

Residence:

4337 Dia Vila Avenue
Pleasanton, CA 94588

Date: Feb 22, 2002

Post Office Address: Same as above

Country of Citizenship: U.S.A.

Full name of **fifth** inventor: MEI CHANG

Inventor's signature: _____

Residence:

12881 Corte de Arguello
Saratoga, CA 95070

Date: _____

Post Office Address: Same as above

Country of Citizenship: U.S.A.

Full name of **sixth** inventor: FUFA CHEN

Inventor's signature: _____

Residence:

10420 Miller Avenue
Cupertino, CA 95014

Date: _____

Post Office Address: Same as above

Country of Citizenship: P.R. of China

COMBINED DECLARATION AND POWER OF ATTORNEY

As a below named inventor, I hereby declare that:

This declaration is of the following type:

- ☒ original
☐ divisional
☐ continuation
☐ continuation-in-part



INVENTORSHIP IDENTIFICATION

My residence, post office address and citizenship are as stated below next to my name. I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled:

TITLE OF INVENTION

METHOD OF TISIN DEPOSITION USING A CHEMICAL VAPOR DEPOSITION PROCESS

The specification of which:

- ☐ filed herewith;
☒ was filed on 12/21/01, under Serial No. 10/026,378, executed on even date herewith; or
☐ Express Mail No. _____ (Serial No. not yet known) and was amended on _____ (if applicable)
☐ was described and claimed in PCT International Application No. _____ filed on _____ and as amended under PCT Article 19 on _____.

ACKNOWLEDGMENT OF REVIEW OF PAPERS AND DUTY OF CANDOR

I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose all information I know to be material to patentability in accordance with Title 37, Code of Federal Regulations, §1.56, and which is material to the examination of this application; namely, information where there is a substantial likelihood that a reasonable Examiner would consider it important in deciding whether to allow the application to issue as a patent, and

- ☐ In compliance with this duty there is attached an Information Disclosure Statement in accordance with 37 CFR §1.98.

PRIORITY CLAIM (35 U.S.C. §119)

I hereby claim foreign priority benefits under Title 35, United States Code, §119, of any provisional or foreign application(s) for patent or inventor's certificate or of any PCT international application(s) designating at least one country other than the United States of America listed below, and have also identified below any provisional or foreign application(s) for patent or inventor's certificate or any PCT international application(s) designating at least one country other than the United States of America filed by me on the same subject matter having a filing date before that of the application(s) of which priority is claimed.

☒ No such applications have been filed.

☐ Such applications have been filed as follows:

- A. Prior foreign/PCT application(s) filed within 12 mos. (6 mos. for design) prior to this application, and any priority claims under 35 U.S.C. §119

<u>Country/PCT</u>	<u>Application No</u>	<u>Date Filed</u>	<u>Priority Claimed</u>
			<input type="checkbox"/> Yes <input type="checkbox"/> No
			<input type="checkbox"/> Yes <input type="checkbox"/> No
			<input type="checkbox"/> Yes <input type="checkbox"/> No

- B. All foreign application(s), if any, filed more than 12 mos. (6 mos for design) prior to this U.S. application

Country:
Application No:
Filing date:

- C. U.S. Provisional Application filed within 12 months prior to this application

<u>Serial No.</u>	<u>Filing Date</u>

PRIORITY CLAIM (35 U.S.C. §120)

I hereby claim the benefit under Title 35, United States Code, Section 120, of any United States application(s) or PCT international application(s) designating the United States of America that is/are listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in that/those prior application(s) in the manner provided by the first paragraph of Title 35, United States Code, Section 112, I acknowledge the duty to disclose information that is material to the examination of this application (namely, information where there is substantial likelihood that a reasonable Examiner would consider it important in deciding whether to allow the application to issue as a patent) which occurred between the filing date of the prior application(s) and the national or PCT international filing date of this application.

☒ No such applications have been filed
☐ Such application have been filed, as follows:

<u>Serial No.</u>	<u>Filing Date</u>	<u>Status</u>		
		<u>Patented</u>	<u>Pending</u>	<u>Abandoned</u>
08/808,246	February 8, 1997		X	
08/498,990	July 6, 1995			X
08/567,461	December 5, 1995			X
08/677,185	July 9, 1996	X		
08/677,218	July 9, 1996			X
08/680,913	July 12, 1996			X

POWER OF ATTORNEY

I hereby appoint the following attorneys and/or agents to prosecute this application and transact all business in the Patent and Trademark Office connected therewith:

Donald Verplancken
Peter J. Sgarbossa

Registration No. 33,217
Registration No. 25,610

Lawrence Edelman
 Raymond Kam-On Kwong
 James C. Wilson
 Michael B. Einschlag
 Robert W. Mulcahy
 Walter Benjamin Glenn
 Joseph Bach
 B. Todd Patterson
 Raymond R. Moser, Jr.
 Keith M. Tackett
 Joseph Pagnotta

Registration No. 25,226
 Registration No. 37,165
 Registration No. 35,412
 Registration No. 29,301
 Registration No. 25,436
 Registration No. 44,713
 Registration No. 37,771
 Registration No. 37,906
 Registration No. 34,682
 Registration No. 32,008
 Registration No. 39,322

Send correspondence to:

Direct telephone calls to:

Patent Counsel
 APPLIED MATERIALS, INC.
 P. O. Box 450-A
 Santa Clara, CA 95052

Raymond R. Moser, Jr.
 MOSER, PATTERSON & SHERIDAN, L.L.P.
 Telephone No. 732-530-9404

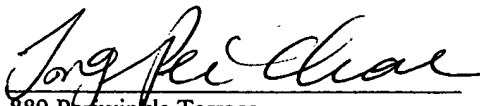
DECLARATION

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and, further, that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Sec. 1001 of Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application or any patents issued thereon.

Full name of sole or first inventor: JING-PEI CHOU

Inventor's signature:

Residence:


 889 Periwinkle Terrace
 Sunnyvale, CA 94086

Date:

2/22/02

Post Office Address:

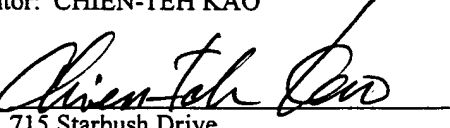
Same as above

Country of Citizenship: Taiwan

Full name of second inventor: CHIEN-TEH KAO

Inventor's signature:

Residence:


 715 Starbush Drive
 Sunnyvale, CA 94086

Date:

02/22/02

Post Office Address:

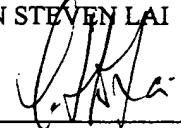
Same as above

Country of Citizenship: Taiwan ROC

Full name of third inventor: CHIUKIN STEVEN LAI

Inventor's signature:

Residence:


 827 Groton Court
 Sunnyvale, CA 94087

Date:

2/22/02

Post Office Address:

Same as above

Country of Citizenship: U.S.A.

Full name of **fourth** inventor: RODERICK CRAIG MOSELY

Inventor's signature: _____

Date: _____

Residence: 4337 Dia Vila Avenue
Pleasanton, CA 94588

Post Office Address: Same as above

Country of Citizenship: U.S.A.

Full name of **fifth** inventor: MEI CHANG

Inventor's signature: _____

Date: 2/15/02

Residence: 12881 Corte de Arguello
Saratoga, CA 95070

Post Office Address: Same as above

Country of Citizenship: U.S.A.

Full name of **sixth** inventor: FUFA CHEN

Inventor's signature: _____

Date: _____

Residence: 10420 Miller Avenue
Cupertino, CA 95014

Post Office Address: Same as above

Country of Citizenship: P.R. of China